

**Barfield, Dave**



**From:** Dale Book [dbook@spronkwater.com]  
**Sent:** Thursday, June 26, 2003 3:12 PM  
**To:** Barfield, Dave; Steve Larson (E-mail)  
**Subject:** Re: info for press release

Dave,

The Nebraska overuse could be upgraded by using the current (96-00) groundwater depletions with the dry-period surface water depletions to bring the drought period to present conditions. I got these figures at Guide Rock from the compliance spreadsheet:

5-year period at Guide Rock

Consumptive use	100 kaf/yr (surface water)	
conditions)	90	186 kaf/yr (groundwater - present
		286 - total
		276 @ Guide Rock
Allocation	230	(dry period 88-92)
		-13 (below Guide Rock)
		217 Allocation @ Guide Rock
		59 Overuse before mound credit
Mound Credit	20	(present conditions)
Net Overuse	40 kaf/yr	

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This figure compares to your figure of 93,000 over a four year period (23 kaf/yr).

I think it would be helpful to state Nebraska's total allocation and total consumptive use (present conditions) at Guide Rock. The drought period allocation is significantly less than the historical level of use, even after deducting mound credit. This would put some more quantity to Nebraska's assertions that some reduction would be needed in dry years.

Dale

----- Original Message -----

**From:** "Barfield, Dave" <DBARFIELD@KDA.STATE.KS.US>  
**To:** "Steve Larson (E-mail)" <slarson@sspa.com>; "Dale Book (E-mail)" <dbook@spronkwater.com>  
**Sent:** Thursday, June 26, 2003 12:48 PM  
**Subject:** info for press release

Steve and Dale,

We are working on a press release regarding the model. Attached is my attempt to characterize the results of the modeling.

Do you have a clue of how many man-hours you and your staff have put into the modeling work? Cost?

I would likely assume that CO spend a similar amount and that NE spent at least as much as the two of us combined.

Lee is looking for some indicators of the scope of the model. I am totaling up the number of files and amount of storage. He was asking about the number of lines of code or other indication of the complexity of the model. Any

ideas?

I have determined that NE's overuse in 1988-92 was 90,000AF. We having looking for ways to describe this number to lay people. For people in the basin, we are saying it is nearly enough to fill Lovewell or Norton 3 times.

We are having some fun with this one. The best one so far is enough to allow every resident of the state of Kansas to flush their toilet 10 times a day for 7 years.

David

<<Model results.doc>>